

L Number	Hits	Search Text	DB	Time stamp
2	6	(sol-gel adj coating) and (rare adj earth and permanent adj magnet)	USPAT; EPO; JPO; DERWENT; IBM_TDB	2002/08/07 12:46
1	4	(sol adj gel adj coating) and (rare adj earth adj4 permanent adj magnet)	USPAT; EPO; JPO; DERWENT; IBM_TDB	2002/08/07 12:45
3	0	(sol adj gel adj coating) and (RTB and magnet)	USPAT; EPO; JPO; DERWENT; IBM_TDB	2002/08/07 12:21
4	0	(sol-gel adj coating) and (RTB and magnet)	USPAT; EPO; JPO; DERWENT; IBM_TDB	2002/08/07 12:21
5	4	(sol-gel adj coating) and (magnet.ab.)	USPAT; EPO; JPO; DERWENT; IBM_TDB	2002/08/07 12:43
6	8359	((428/639) or (428/469) or (428/900) or (428/611) or (4289/472) or (428/472.2)).CCLS.	USPAT; EPO; JPO; DERWENT; IBM_TDB	2002/08/07 12:23
7	26	(sol-gel) and (rare adj earth and permanent adj magnet)	USPAT; EPO; JPO; DERWENT; IBM_TDB	2002/08/07 12:24
8	0	(sol-gel adj coating) and (rare adj earth and permanent adj magnet)	USOCR	2002/08/07 12:43
9	0	(sol-gel adj coating) and (magnet)	USOCR	2002/08/07 12:44
10	1	sol-gel adj coating	USOCR	2002/08/07 12:44
11	4	(sol adj gel adj coat\$3) and (rare adj earth adj4 permanent adj magnet)	USPAT; EPO; JPO; DERWENT; IBM_TDB	2002/08/07 12:45
12	26	(sol-gel) and (rare adj earth and permanent adj magnet)	USPAT; EPO; JPO; DERWENT; IBM_TDB	2002/08/07 12:46
-	257	sol adj gel adj coating	USPAT; EPO; JPO; DERWENT; IBM_TDB	2001/07/17 09:08
-	2405	rare-adj-earth-adj4-permanent-adj-magnet	USPAT; EPO; JPO; DERWENT; IBM_TDB	2001/02/22 15:01
-	17	sol adj gel adj coating adj process	USPAT; EPO; JPO; DERWENT; IBM_TDB	2001/02/21 15:41
-	2	(sol adj gel adj coating) and (rare adj earth adj4 permanent adj magnet)	USPAT; EPO; JPO; DERWENT; IBM_TDB	2002/08/07 12:15
-	298	coated adj magnet	USPAT; EPO; JPO; DERWENT; IBM_TDB	2001/02/21 16:41
-	0	(coated adj magnet) and (sol adj gel adj coating)	USPAT; EPO; JPO; DERWENT; IBM_TDB	2001/02/21 16:02

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-	1	(coated adj magnet) and sol adj gel	USPAT; EPO; JPO; DERWENT; IBM_TDB	2001/02/21 16:04
-	40	(coated adj magnet) and oxide	USPAT; EPO; JPO; DERWENT; IBM_TDB	2001/02/21 16:22
-	12	oxide adj film and (rare adj earth adj4 permanent adj magnet)	USPAT; EPO; JPO; DERWENT; IBM_TDB	2001/02/21 16:22
-	636	(428/611).CCLS.	USPAT; EPO; JPO; DERWENT; IBM_TDB	2001/02/22 14:52
-	4924	(428/900).CCLS.	USPAT; EPO; JPO; DERWENT; IBM_TDB	2001/02/22 14:52
-	178	(428/639).CCLS.	USPAT; EPO; JPO; DERWENT; IBM_TDB	2001/02/22 14:53
-	2226	(428/469).CCLS.	USPAT; EPO; JPO; DERWENT; IBM_TDB	2001/02/22 14:53
-	636	(428/611).CCLS.	USPAT; EPO; JPO; DERWENT; IBM_TDB	2001/02/22 09:20
-	4924	(428/900).CCLS.	USPAT; EPO; JPO; DERWENT; IBM_TDB	2001/02/22 09:20
-	178	(428/639).CCLS.	USPAT; EPO; JPO; DERWENT; IBM_TDB	2001/02/22 09:20
-	2226	(428/469).CCLS.	USPAT; EPO; JPO; DERWENT; IBM_TDB	2001/02/22 09:20
-	257	sol adj gel adj coating	USPAT; EPO; JPO; DERWENT; IBM_TDB	2001/02/22 09:32
-	0	(sol adj gel adj coating) and (("428/900").CCLS.)	USPAT; EPO; JPO; DERWENT; IBM_TDB	2001/02/22 09:31
-	0	(sol adj gel adj coating) and (("428/611").CCLS.)	USPAT; EPO; JPO; DERWENT; IBM_TDB	2001/02/22 09:31
-	0	(sol adj gel adj coating) and (("428/639").CCLS.)	USPAT; EPO; JPO; DERWENT; IBM_TDB	2001/02/22 09:32
-	257	(sol adj gel adj coating) and gel	USPAT; EPO; JPO; DERWENT; IBM_TDB	2001/02/22 14:45

-	3	(sol adj gel adj coating) and (("428/469").CCLS.)	USPAT; EPO; JPO; DERWENT; IBM_TDB	2001/02/22 09:32
-	8113	rare adj earth and permanent adj magnet	USPAT; EPO; JPO; DERWENT; IBM_TDB	2001/02/22 09:46
-	4	rare adj earth and permanent adj magnet and (sol adj gel adj coating)	USPAT; EPO; JPO; DERWENT; IBM_TDB	2001/02/22 09:52
-	298	Coated adj magnet	USPAT; EPO; JPO; DERWENT; IBM_TDB	2001/02/22 14:45
-	636	(428/611).CCLS.	USPAT; EPO; JPO; DERWENT; IBM_TDB	2001/02/22 14:53
-	4924	(428/900).CCLS.	USPAT; EPO; JPO; DERWENT; IBM_TDB	2001/02/22 14:52
-	178	(428/639).CCLS.	USPAT; EPO; JPO; DERWENT; IBM_TDB	2001/02/22 14:53
-	2226	(428/469).CCLS.	USPAT; EPO; JPO; DERWENT; IBM_TDB	2001/02/22 14:53
-	44	((("428/611").CCLS.) and permanent adj magnet	USPAT; EPO; JPO; DERWENT; IBM_TDB	2001/02/22 15:19
-	294	((("428/900").CCLS.) and permanent adj magnet	USPAT; EPO; JPO; DERWENT; IBM_TDB	2001/02/22 14:53
-	6	((("428/639").CCLS.) and permanent adj magnet	USPAT; EPO; JPO; DERWENT; IBM_TDB	2001/02/22 14:53
-	18	((("428/469").CCLS.) and permanent adj magnet	USPAT; EPO; JPO; DERWENT; IBM_TDB	2001/02/22 14:53
-	0	((("428/611").CCLS.) and permanent adj magnet) and sol	USPAT; EPO; JPO; DERWENT; IBM_TDB	2001/02/22 14:54
-	35	((("428/900").CCLS.) and permanent adj magnet) and sol	USPAT; EPO; JPO; DERWENT; IBM_TDB	2001/02/22 14:54
-	1	((("428/611").CCLS.) and permanent adj magnet) and gel	USPAT; EPO; JPO; DERWENT; IBM_TDB	2001/02/22 14:54
-	22	((("428/900").CCLS.) and permanent adj magnet) and gel	USPAT; EPO; JPO; DERWENT; IBM_TDB	2001/02/22 14:54

-	2405	rare adj earth adj4 permanent adj magnet	USPAT; EPO; JPO; DERWENT; IBM_TDB	2001/02/22 15:19
-	58	(rare adj earth adj4 permanent adj magnet) and corrosion and oxide	USPAT; EPO; JPO; DERWENT; IBM_TDB	2001/02/22 15:02
-	157780	oxide adj (layer or film)	USPAT; EPO; JPO; DERWENT; IBM_TDB	2001/02/22 15:04
-	11	(oxide adj (layer or film)) and ((rare adj earth adj4 permanent adj magnet) and corrosion and oxide)	USPAT; EPO; JPO; DERWENT; IBM_TDB	2001/02/22 15:18
-	1321	(428/472).CCLS.	USPAT; EPO; JPO; DERWENT; IBM_TDB	2001/02/22 15:19
-	385	(428/472.2).CCLS.	USPAT; EPO; JPO; DERWENT; IBM_TDB	2001/02/22 15:18
-	0	(("428/472").CCLS.) and (rare adj earth adj4 permanent adj magnet)	USPAT; EPO; JPO; DERWENT; IBM_TDB	2001/02/22 15:19
-	0	(("428/472.2").CCLS.) and (rare adj earth adj4 permanent adj magnet)	USPAT; EPO; JPO; DERWENT; IBM_TDB	2001/02/22 15:19
-	8	(("428/472").CCLS.) and permanent adj magnet	USPAT; EPO; JPO; DERWENT; IBM_TDB	2001/02/22 15:19
-	1	(("428/472.2").CCLS.) and permanent adj magnet	USPAT; EPO; JPO; DERWENT; IBM_TDB	2001/02/22 15:19
-	40	(3149403 3150419 3168760 5155401 5216557 5387172 5569967 5576815 5782177 5848684 5861692 5865298 5896873 "5901893")![pn]	USPAT; EPO; JPO; DERWENT; IBM_TDB	2001/02/23 13:01
-	14	(3149403 3150419 3168760 5155401 5216557 5387172 5569967 5576815 5782177 5848684 5861692 5865298 5896873 "5901893")![pn]	USPAT	2001/02/23 12:53
-	5	((3149403 3150419 3168760 5155401 5216557 5387172 5569967 5576815 5782177 5848684 5861692 5865298 5896873 "5901893")![pn]) and sol adj gel	USPAT	2001/02/23 12:53
-	2	("6034457").PN.	USPAT; EPO; JPO; DERWENT; IBM_TDB	2001/02/23 13:01
-	0	6034457.URPN.	USPAT	2001/02/23 13:02
-	0	6034457.URPN.	USPAT	2001/02/23 13:02
-	1	US-6034457-A.DID.	USPAT	2001/02/23 13:03
-	116	FURLANI.in.	USPAT	2001/02/23 13:03
-	7	FURLANI.in. and permanent adj magnet and sol adj gel	USPAT	2001/02/23 13:11
-	122	Eastman adj Kodak adj Company and sol adj gel	USPAT	2001/02/23 13:12
-	8	(Eastman adj Kodak adj Company and sol adj gel) and permanent adj magnet	USPAT	2001/02/23 13:12

-	18	(sol) and (rare adj earth adj4 permanent adj magnet)	USPAT; EPO; JPO; DERWENT; IBM_TDB	2001/02/23 13:49
-	21	"121220"	USPAT; EPO; JPO; DERWENT; IBM_TDB	2001/02/23 13:51
-	1	JP-A-5-121220	USPAT; EPO; JPO; DERWENT; IBM_TDB	2001/02/23 14:24
-	0	5-121220a	USPAT; EPO; JPO; DERWENT; IBM_TDB	2001/02/23 13:51
-	2	121220a	USPAT; EPO; JPO; DERWENT; IBM_TDB	2001/02/23 14:21
-	1	5121220a	USPAT; EPO; JPO; DERWENT; IBM_TDB	2001/02/23 13:51
-	3	("5611679").PN.	USPAT; EPO; JPO; DERWENT; IBM_TDB	2001/02/23 14:20
-	3	("5535181").PN.	USPAT; EPO; JPO; DERWENT; IBM_TDB	2001/02/23 14:20
-	3	("5613592").PN.	USPAT; EPO; JPO; DERWENT; IBM_TDB	2001/02/23 14:21
-	1	sol adj coated and permanent adj magnet	USPAT; EPO; JPO; DERWENT; IBM_TDB	2001/02/23 14:25
-	2	sol adj coating and permanent adj magnet	USPAT; EPO; JPO; DERWENT; IBM_TDB	2001/02/23 14:25
-	8059	((428/639) or (428/469) or (428/900) or (428/611) or (4289/472) or (428/472.2)).CCLS.	USPAT; EPO; JPO; DERWENT; IBM_TDB	2002/08/07 12:23
-	135	((("428/639") or ("428/469") or ("428/900") or ("428/611") or ("4289/472") or ("428/472.2")).CCLS.) and @pd>=20010222	USPAT; EPO; JPO; DERWENT; IBM_TDB	2001/07/17 09:11

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☐ 1. Document ID: JP 62149108 A

L3: Entry 1 of 1

File: JPAB

Jul 3, 1987

PUB-NO: JP362149108A

DOCUMENT-IDENTIFIER: JP 62149108 A

TITLE: MANUFACTURE OF PERMANENT MAGNET

PUBN-DATE: July 3, 1987

INVENTOR-INFORMATION:

NAME

COUNTRY

OTSUKA, TSUTOMU

US-CL-CURRENT: 427/190; 428/469

INT-CL (IPC): H01F 41/02; C23C 8/40

ABSTRACT:

PURPOSE: To prevent a magnetic alloy from being oxidized during treatments thereof, by applying a metallic alcoholate on a permanent magnet formed by molding and sintering a R2T14B permanent magnet material and hydrolyzing the metallic alcoholate to form a coat of a metal oxide on the surface of the permanent magnet.

CONSTITUTION: Nb having a purity of 95% or over, electrolytic iron and crystal born are melted and cooled in the atmosphere of argon to obtain an ingot. The ingot is then ground and molded under pressure. The pressure-molded powder body is sintered and cooled slowly. The body is further heated and quenched to obtain a permanent magnet. The permanent magnet thus obtained is degreased with trichloroethylene, and Si alcoholate is applied thereon by spraying the same. The permanent magnet is then heated for 20min at a temperature of 100~200°C. In this manner, a transparent SiO₂ film can be formed on the surface of the magnet.

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"62149108".JPAB.	1
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L1: Entry 1 of 1

File: DWPI

Jul 3, 1987

DERWENT-ACC-NO: 1987-224531

DERWENT-WEEK: 198732

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TITLE: Permanent magnet mfr. - by compacting mixt. of rare earth metal, iron and boron, sintering and coating with metal oxide

PRIORITY-DATA: 1985JP-0289314 (December 24, 1985)

PATENT-FAMILY:

PUB-NO	PUB-DATE	LANGUAGE	PAGES	MAIN-IPC
JP 62149108 A	July 3, 1987		003	
JP 90037081 B	August 22, 1990		000	

INT-CL (IPC): C23C 8/40; H01F 41/02

ABSTRACTED-PUB-NO: JP62149108A

BASIC-ABSTRACT:

Permanent magnet is made by compacting R2T14B system permanent magnet material contg. R (at least one of rare earth element including Y), Fe, and B, sintering then coating metal oxides on the surface by coating with metallic alcoholates on the surface; and forming metal oxide film by thermal decomposition.

USE - Oxidn of magnetic alloy itself can be prevented during processing, as no water is used during processing including pretreatment, and environmental contamination caused by sputtering of oxides can be prevented'

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KWC
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